ABSTRACT

UNIVERSAL TUMOR CELL VACCINE FOR ANTI CANCER THERAPEUTIC AND PROPHYLACTIC UTILIZATION

The invention provides a composition for stimulating an immune response in a patient having different types of cancer including those having adenocarcinoma comprising a combination of allogeneic tumor cells and / or tumor stem cells that are selected on the basis of secreting at least one immunosuppressive agent, e.g., TGF-β, and that are genetically modified to reduce or inhibit the expression of said at least one immunosuppressive agent, e.g., TGF-β, and that collectively express a spectrum of tumor associated antigens representative of colon, breast, lung, prostate, pancreas, kidney, endometrium, cervix, ovary, thyroid, and other glandular tissue carcinomas, as well as squamous, melanoma, central nervous system, and lymphomas and a physiologically acceptable carrier. The adenocarcinoma can be, for example, colon, breast, lung, prostate, pancreas, kidney, endometrium, cervix, ovary, thyroid, or other glandular tissue, as well as squamous, melanoma, central nervous system, and lymphomas. The invention also provides a composition containing said combination of allogeneic tumor cells and or tumor stem cells and an allogeneic cell expressing a cytokme or an antibody that inhibits an immune suppressive molecule.

No Figure